

two semiconductor laser light sources each including a plurality of light emitting devices arranged in a line at equal intervals;

a beam scanner;

a beam converging unit disposed between the laser light sources and the beam scanner for converging the light beams onto the surface of the beam scanner; and

Ai  
Circuit  
Control  
Sub-B  
a controller for always controlling an inclination angle of said plurality of light emitting devices with respect to a beam scanning direction of each of said semiconductor laser light sources,

wherein said inclination angle satisfies the equation:  $\sin^{-1}[p/md]$ , wherein, d is an interval between adjacent ones of said light emitting devices, p is a predetermined interval between adjacent ones of said light beams on a scanning surface, and m is magnification of the optical scanning apparatus.

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3. (Amended) An optical scanning apparatus adapted to perform parallel scanning with a plurality of beams on an image recording medium at predetermined pitches, said apparatus comprising:

A1/2  
two semiconductor laser light sources each including a plurality of light emitting devices arranged in a line at equal intervals;

a beam scanner;

a beam converging unit disposed between the laser light sources and the beam scanner for converging the light beams onto the surface of the beam scanner; and

a controller for always detecting a position in a direction perpendicular to a scanning direction of output beams of each of said light sources even during beam scanning and for controlling a predetermined pitch interval of scanning lines owing to variation in relative position of each of said light sources,

wherein said controller detects the positions of the output beams with photodetectors that are irradiated by light from a polarizing prism which is disposed between said laser light sources and said beam scanner.

4. (Amended) An optical scanning apparatus adapted to perform parallel scanning with a plurality of beams on an image recording medium at predetermined pitches, said apparatus comprising:

two semiconductor laser light sources each including a plurality of light emitting devices arranged in a line at equal intervals;

a beam scanner;

a beam converging unit disposed between the laser light sources and the beam scanner for converging the light beams onto the surface of the beam scanner; and

a controller for always controlling a position in a direction perpendicular to a beam scanning direction of output beams of each of said light sources and controlling an inclination angle of arrangement of said plurality of light emitting devices with respect to the beam scanning direction of each of said semiconductor laser light sources,

wherein said inclination angle satisfies the equation:  $\sin^{-1}[p/md]$ , wherein, d is an interval between adjacent ones of said light emitting devices, p is a predetermined interval between

A2  
cont. adjacent ones of said light beams on a scanning surface, and m is magnification of the optical scanning apparatus.

**Please add the following new claims 7-9:**

Cont  
Sub B1  
7. (New) The optical scanning apparatus according to claim 1, further comprising:  
a controller for specifying respectively one of the light beams from each of said semiconductor laser light sources, and for keeping an interval between scanning positions in a direction perpendicular to a scanning direction of the light beams on the recording medium to a predetermined value.

A3  
8. (New) An optical scanning apparatus adapted to perform parallel scanning with a plurality of beams on an image recording medium at predetermined pitches, said apparatus comprising:  
a semiconductor laser light source including a plurality of light emitting devices arranged in a line at equal intervals;  
a beam scanner;  
a beam converging unit disposed between the laser light source and the beam scanner for converging the light beams onto the surface of the beam scanner; and  
a controller for always controlling an inclination angle of said plurality of light emitting devices with respect to a beam scanning direction of said semiconductor laser light source,  
wherein said inclination angle satisfies the equation:  $\sin^{-1}[p/md]$ , wherein, d is an interval between adjacent ones of said light emitting devices, p is a predetermined interval between

adjacent ones of said light beams on a scanning surface, and  $m$  is magnification of the optical scanning apparatus.

9. (New) An optical scanning apparatus adapted to perform parallel scanning with a plurality of beams on an image recording medium at predetermined pitches, said apparatus comprising:

A3  
cont.  
a semiconductor laser light source including a plurality of light emitting devices arranged in a line at equal intervals;

B  
a beam scanner;

a beam converging unit disposed between the laser light source and the beam scanner for converging the light beams onto the surface of the beam scanner; and

a controller for always detecting a position in a direction perpendicular to a scanning direction of output beams of said light source even during beam scanning and for controlling a predetermined pitch interval of scanning lines owing to variation in relative position of said light source,

wherein said controller detects the positions of the output beams with photodetectors that are irradiated by light from a polarizing prism which is disposed between said laser light source and said beam scanner.